

0200
HB

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/483,588DATE: 02/08/2000
TIME: 14:04:57

Input Set: I483588.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Leonard Presta
2 <120> TITLE OF INVENTION: Polypeptide Variants with Altered Effector Function
3 <130> FILE REFERENCE: P1726R1
4 <140> CURRENT APPLICATION NUMBER: US/09/483,588
5 <141> CURRENT FILING DATE: 2000-01-14
6 <150> EARLIER APPLICATION NUMBER: US 60/116,023
7 <151> EARLIER FILING DATE: 1999-01-15
8 <160> NUMBER OF SEQ ID NOS: 11
9 <210> SEQ ID NO 1
10 <211> LENGTH: 218
11 <212> TYPE: PRT
12 <213> ORGANISM: Artificial Sequence
13 <220> FEATURE:
14 <221> NAME/KEY: Artificial Sequence
15 <222> LOCATION: 1-218
16 <223> OTHER INFORMATION: Sequence is completely synthesized
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15
1 5 10 15
Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Lys Pro Val Asp
20 25 30
Gly Glu Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly
22 35 40 45
Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Glu Ser
23 50 55 60
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
25 65 70 75
Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr
27 80 85 90
Tyr Cys Gln Gln Ser His Glu Asp Pro Tyr Thr Phe Gly Gln Gly
29 95 100 105
Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe
31 110 115 120
Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser
33 125 130 135
Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val
35 140 145 150
Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
37 155 160 165
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
39 170 175 180
Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val
41 185 190 195
Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr
43
44

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200 205 210

45 Lys Ser Phe Asn Arg Gly Glu Cys
46 215 218

47

48 <210> SEQ ID NO 2

49 <211> LENGTH: 451

50 <212> TYPE: PRT

51 <213> ORGANISM: Artificial Sequence

52 <220> FEATURE:

53 <221> NAME/KEY: Artificial Sequence

54 <222> LOCATION: 1-451

55 <223> OTHER INFORMATION: Sequence is completely synthesized

56 <400> SEQUENCE: 2

57 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
58 1 5 10 15

59 Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr
60 20 25 30

61 Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly
62 35 40 45

63 Leu Glu Trp Val Ala Ser Ile Lys Tyr Ser Gly Glu Thr Lys Tyr
64 50 55 60

65 Asn Pro Ser Val Lys Gly Arg Ile Thr Ile Ser Arg Asp Asp Ser
66 65 70 75

67 Lys Asn Thr Phe Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
68 80 85 90

69 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
70 95 100 105

71 Trp His Phe Ala Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
72 110 115 120

73 Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser
74 125 130 135

75 Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val
76 140 145 150

77 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly
78 155 160 165

79 Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
80 170 175 180

81 Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
82 185 190 195

83 Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
84 200 205 210

85 Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
86 215 220 225

87 Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
88 230 235 240

89 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
90 245 250 255

91 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
92 260 265 270

93 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
94 275 280 285

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95	Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr		
96	290	295	300
97	Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln		
98	305	310	315
99	Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys		
100	320	325	330
101	Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly		
102	335	340	345
103	Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu		
104	350	355	360
105	Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly		
106	365	370	375
107	Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln		
108	380	385	390
109	Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp		
110	395	400	405
111	Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg		
112	410	415	420
113	Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala		
114	425	430	435
115	Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly		
	440	445	450
116			
117	Lys		
118	451		
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120	<211> LENGTH: 218		
121	<212> TYPE: PRT		
122	<213> ORGANISM: homo sapiens		
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125	1 5 10 15		
126	Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val		
127	20 25 30		
128	Thr Cys Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys		
129	35 40 45		
130	Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr		
131	50 55 60		
132	Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser		
133	65 70 75		
134	val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr		
135	80 85 90		
136	Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys		
137	95 100 105		
138	Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr		
139	110 115 120		
140	Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser		
141	125 130 135		
142	Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val		
143	140 145 150		
144	Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr		

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145	155	160	165
146	Pro Pro Val Leu Asp Ser Asp Gly Ser	Phe Phe Leu Tyr Ser	Lys
147	170	175	180
148	Leu Thr Val Asp Lys Ser Arg Trp Gln	Gln Gly Asn Val Phe	Ser
149	185	190	195
150	Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln	Lys	
151	200	205	210
152	Ser Leu Ser Leu Ser Pro Gly Lys		
153	215	218	
154	<210> SEQ ID NO 4		
155	<211> LENGTH: 218		
156	<212> TYPE: PRT		
157	<213> ORGANISM: homo sapiens		
158	<400> SEQUENCE: 4		
159	Pro Ala Pro Glu Leu Leu Gly Pro Ser Val Phe Phe Pro		
160	1	10	15
161	Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val		
162	20	25	30
163	Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val	Lys	
164	35	40	45
165	Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys	Thr	
166	50	55	60
167	Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val	Ser	
168	65	70	75
169	Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu	Tyr	
170	80	85	90
171	Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu	Lys	
172	95	100	105
173	Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val	Tyr	
174	110	115	120
175	Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val	Ser	
176	125	130	135
177	Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala	Val	
178	140	145	150
179	Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys	Thr	
180	155	160	165
181	Pro Pro Val Leu Asp Ser Asp Gly Ser	Phe Phe Leu Tyr Ser	Lys
182	170	175	180
183	Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe	Ser	
184	185	190	195
185	Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln	Lys	
186	200	205	210
187	Ser Leu Ser Leu Ser Pro Gly Lys		
188	215	218	
189	<210> SEQ ID NO 5		
190	<211> LENGTH: 217		
191	<212> TYPE: PRT		
192	<213> ORGANISM: homo sapiens		
193	<400> SEQUENCE: 5		
194	Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro		

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195	1	5	10	15
196	Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr			30
197	20	25		
198	Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe			45
199	35	40		
200	Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys			60
201	50	55		
202	Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val			75
203	65	70		
204	Leu Thr Val Val His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys			90
205	80	85		
206	Cys Lys Val Ser Asn Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr			105
207	95	100		
208	Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr			120
209	110	115		
210	Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu			135
211	125	130		
212	Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu			150
213	140	145		
214	Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro			165
215	155	160		
216	Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu			180
217	170	175		
218	Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys			195
219	185	190		
220	Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser			210
221	200	205		
222	Leu Ser Leu Ser Pro Gly Lys			
223	215 217			

224 <210> SEQ ID NO 6

225 <211> LENGTH: 218

226 <212> TYPE: PRT

227 <213> ORGANISM: homo sapiens

228 <400> SEQUENCE: 6

229	Pro Ala Pro Glu Leu Leu Gly Pro Ser Val Phe Leu Phe Pro			15
230	1	5	10	
231	Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val			30
232	20	25		
233	Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln			45
234	35	40		
235	Phe Lys Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr			60
236	50	55		
237	Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser			75
238	65	70		
239	Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr			90
240	80	85		
241	Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys			105
242	95	100		
243	Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr			120
244	110	115		

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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text